Dart Aerospace Ltd. Monday, 1/7/2008 2:51:06 PM Kim Johnston **Process Sheet** : TUBE ASSEMBLY Customer : CU-DAR001 Dart Helicopters Services **Drawing Name** Job Number por marups. **Estimate Number** : 11914 Part Number : D2003009 P.O. Number S.O. No. : **Drawing Number** This Issue : 1/7/2008 : N/A : NC Prsht Rev. Project Number First Issue : 1/7/2008 Type : SMALL /MED FAB **Drawing Revision** : B : 29929 **Material** Previous Run Due Date : 1/21/2008 Qtv: Written By Checked & Approved By : Est Re-format EC Comment **Additional Product** Job Number: Description: Seq. #: Machine Or Operation: 6061-T6 Tube .375 x.035W 1.0 M6061T6T0375W035 CONFIRM WITH ENG. THE COT 1.0884 f(s)/Unit Total: . 5.4422 f(s) Cut as per template D2003-007 (12.44" long) D2003-009 LENGTH OF THE TUBE: 308.01.0A. Material:3/8"Æ*x 0.035" wall 6061-T6 tubing OR 1250' Batch: M 104913 Cut: 12.38" long as per Dwg D2003 TO TEMPLATE. Material: M2650-6 Heat sleeve on downer Batch: M103499 2.0 M26506 Firesleeve-crkl .375IDia Comment: Qty.: 5.2000 f(s) 1.0400 f(s)/Unit Total: M103499 Firesleeve-crkl .375IDia 30 MS208196D Comment: Qty.: 2.1000 Each(s)/Unit Total: 10.5000 Each(s)

Pick:

Qty

Part Number Description

MS20819-6D

Sleeve

M63154

AS 08/01/15

Each

\$08.01.07

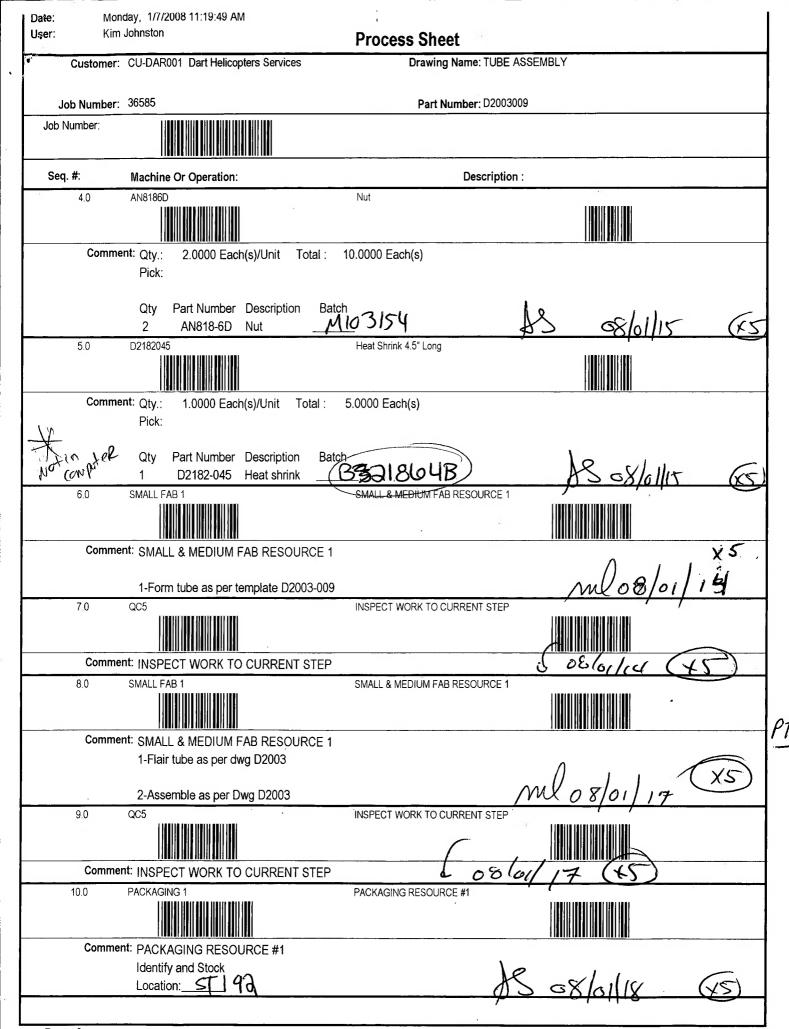
Job Completion



U 88-01.21

Dart Ae	rospac	e Ltd							
W/O:			V	VORK ORDER CHANGES	3				
DATE	STEP	P	ROCEDURE CH	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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				141					
Part No	•	PAR #:	Fault Ca	tegory:	NCR: Yes	No DQ	A:	_ Date: _	
		H4			QA: I	N/C Close	d:	_ Date: _	
NCR:			WORK OR	DER NON-CONFORMAN	CE (NCI	₹)			•
DATE	STEP	Description of NC		Corrective Action Section I			cation	Approval	Approval
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign of Date		ion C	Chief Eng	QC Inspector
				-					
		*) **					

NOTE: Date & initial all entries



Dart Aerospace Ltd

		WORK ORDER CHANGES												
STEP		PROC	EDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
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Part No: Doo's -009 PAR #: NA. Fault Category: Resonant NCR: Yes No DQA: Date: 08.01.27

NCR: 36585		W	WORK ORDER NON-CONFORMANCE (NCR)										
DATE	CTED	Description of NC		Corrective Action Section B	Verification	Approval	Approval						
DATE	STEP	Section A			Sign & Date	Section C	Chief Eng	QC Inspector					
08/01/16	8	Scrap 5 tubing Forgot to install Sleeve legou flare. Try to fix them before Scrap.		Scraps. Re-do stube M 104913	al la								
		fix them before Scrap.	Posicu L	City xs	08/01/11	08/01/16	Pasialz	T0001-16					
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NOTE: Date & initial all entries

Date:

Monday, 1/7/2008 11:19:49 AM

User:

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: TUBE ASSEMBLY

Job Number: 36585

Part Number: D2003009

Job Number:



Seq. #:

Job Completion

Machine Or Operation:

Description:

11.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE



U 88-01.26

Dart Ae	Dart Aerospace Ltd													
W/O:		WORK ORDER CHANGES												
DATE	STEP		Р	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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Part No):		_ PAR #:	Fault Category:	NC				Date: _ _ Date: _	-				
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NOTE: Date & initial all entries





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4	45	1 44	D2003 SHEET 1 OF 2							
DATE	,		TITLE SCALE							
99.0	06.08		206 CABIN HEATER TUBE ASSEMBLIES NTS							
Α		90.04.09	NEW ISSUE							
В		99.06.08	UPDATE PER TEMPLATES; ADD P/N'S; Q.025 TUBING NOW 0.035 (TSR1049)							

RELEASED 44.06.03 KED

UNDER REVIEW 06.08.21

I lengths wrong

14 08.01.07 * SEE NOTE ON SECURE#10.

P/N	TEMPLATE	HEATSLEEVE LENGTH ¹	CUT LENGTH OF TUBE ²	MS20819-8J SLEEVE	AN818-8J NUT	MS20819-8D SLEEWE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT	DESC.	MATERIAL ^{4/8/7}	VENDOR OR SPEC	
D2003-001	T2003-001	5.2	6.00		 			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-001	T2003-001	7.3	8.12		 			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-005	T2003-005	9.8	10.62		 			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-003	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-009	T2003-009 -	- 12.38	\$ 12.44	17		-		2	2	- TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-003	T2003-005	33,31	32.38	7	-			2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-011	T2003-011	12.7	13.54		 	ļ — —		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-015	T2003-015	17.2	18.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-017	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D2003-021	T2003-015	N/A	2.25			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D2003-021	T2003-021	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D2003-025	T2003-025	9.8	10.60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D2003-027	T2003-025	7.25	7.38			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D2003-027	T2003-027	17.2	18.00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6	
D2003-023	T2003-025	14.6	15.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-037	T2003-037	24.81	23.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-041	T2003-041	6.0	5.88	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-043	T2003-043	11.7	10.75	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-047	T2003-047	5.56	5.56	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-049	T2003-049	33.2	34.00	2	2	\rightarrow				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304	
D2003-077	T2003-077	N/A	6.25					1	1	JET JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6	
D2003-101	T2003-101	13.25	13.13					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6	
D2003-101	T2003-101	12.38	12.00					2	2	TUBE ASS'Y	6061-T6 0.375 QD x 0.035 W	WW-T-600/6	
D2003-105	T2003-105	10,75	10.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6	
D2003-107	T2003-103	12.75	12.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6	
D2003-109	T2003-107	8.25	8.125			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6	
D2003-111	T2003-111	4.75	4.625			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6	
D2003-116	T2003-116	4.0								HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX	
D2003-120	T2003-120	4.0					-			HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX	
D2003-14	T2003-14	4.0				-	\neg			HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX	
D2003-16	T2003-16	4.0								HEATSLEEVE	M2650-16 CRINKLE-SOFT		
D2003-205	T2003-205	9.75	9.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W		
D2003-207	T2003-207	3.75	3.75					2	2	TUBE ASS'Y	COCT TO 0 275 OD 0 025-MC	NEWANT TOOK	
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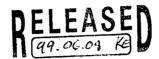
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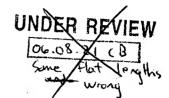
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99.06.08		206 CABIN	HEATER	TUBE	ASSEMBL	IES' N	ITS





Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0,049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

